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Query Match             10.0%;  Score 210.2;  DB 1;  Length 1869;
Best Local Similarity   50.4%;  Pred. No. 2.1e-40;
Matches  857;  Conservative    0;  Mismatches  713;  Indels  129;  Gaps    9;

Qy    200 gagatcggagctgctgatagcttctacgctgttaatgccgaagaaggaactgcagttccc 259
          ||| |||  |  || | |  |     |||  |    | |   |  | || ||    |  |
Db    190 GAGCTCGTCGAAGCCGGTTACAAGGTCGCCATGTTCGACATCGGGGAAATTGACTCTGGC 249

Qy    260 tacgttcctggctaccacaagaagaatgaaatcgagttccagaaagatattgaccgcttc 319
              ||   ||||||||||||      |||| | ||||||  | ||||||   ||
Db    250 CTGAAGATCGGTGCCCACAAGAAGAACACCGTCGAATACCAGAAGAACATTGACAAGTTT 309

Qy    320 gtcaatgtaatcaagggagccttacaacaagtctctgttcctgtcagaaaccagaacgtg 379
          || || || ||  ||||    ||       || || ||||| ||||  | ||     |
Db    310 GTGAACGTCATTCAGGGCCAATTGATGTCTGTTTCCGTTCCCGTCAATACCCTCGTGATC 369

Qy    380 cctacacttgatcccggagcctggagcgcgccccctggaagttcagccatatcgaacggt 439
            || ||    ||     | |||    ||  |  |       |  |    || ||
Db    370 GACACGCTCAGCCCGACGTCTTGGCAAGCTTCATCG-----TTCTTCGTCCGCAATGGC 423

Qy    440 aaaaatcctcaccagcgggaattcgagaacttgtctgcggaggccgtaacgcgtggagtc 499
            || ||  | |||        |    ||| |   ||   |||| || |||||||  |||
Db    424 TCGAACCCAGAGCAGGACCCGCTTCGTAACCTCAGTGGTCAGGCGGTCACGCGTGTCGTC 483

Qy    500 ggcggcatgagtacccactggacgtgctccacgccacggattcatccacccatggaaagt 559
          || ||||||   || ||||||||| ||| | || ||||  || |
Db    484 GGAGGCATGTCCACGCACTGGACATGCGCGACACGCGCTTTGA---------------- 527

Qy    560 ctcccgggcatcggccgtccgaagctcagtaacgacccggcagaggacgacaaagagtgg 619
            ||  |      |||    |  |  |||||| ||  |  ||||||   ||||||
Db    528 --CCGCGAGCAGCGCCCGTTGCTCGTGAAGGACGACCAGGACGCTGACGACGCCGAGTGG 585

Qy    620 aacgagctttattccgaggccgagcgtctcgatcgggacttccaccaaggaattcgacgag 679
          ||  ||| ||  || ||||||||      | ||  |||    ||  |  | ||| | |||
Db    586 GACCGGCTGTACACCAAGGCCGAGTCATACTTCAAGACCGGGACGGACCAGTTCAAGGAG 645

Qy    680 tcaattcggcacacccttgttctgcgctctttgcaagacgcgtacaaggatcgtcaacgt 739
          || || || |||| ||| || ||    |     |    || |  ||||| | ||  |
Db    646 TCGATCCGCCACAACCTCGTGCTCAACAAGCTCGCGGAGGAATACAAAGGTCAGCGCGAC 705

Qy    740 atctttcgccctctcccgttggcatgccaccggttgaagaacgcgccggaatacgtcgaa 799
            ||  |     |  |    ||||    |  ||          |   |||   | |||||
Db    706 TTCCAGCAGATCCCGCTCGCGGCAACGCGTCG---------CAGTCCGACCTTCGTCGAG 756

Qy    800 tggcactcagcagaaaatctttttccactctatctacaacgatgacaagcagaagaagctc 859
          |||  ||| ||  | |   |/||                |||   | || | | |  |  |
Db    757 TGGAGCTCGGCGAACACCGTGTT---------------CGACCTCCAGAACAGGCCGAAC 801

Qy    860 tttaccctgctgacgaacgatcgctgcacacgactggcgcttacgggcgggtatgagaag 919
            |  || ||  |  |  |  |     |  ||| || |  | | |   |   |
Db    802 ACGGACGCGCCGAATGAGCGCTTCAACCTCTTCCCCGCGGTTGCATGTGAGCGCGTCGTG 861

Qy    920 aagattggcgctgccgaggtcaggaatctactggccaccaggaatcctagttcgcagctg 979
            |     |  | |  |  |    ||| || |    | | |  |||
Db    862 CGCAACACGTCGAACTCCGAGATCGAGAGTCTGCACATCCACGACCTCATCTCGGGCGAC 921

Qy    980 gacagctatatcatggcgaaggtatatgtactggcgtcgggagcgatcggcaacccacag 1039
          |  | | |||| ||  | || |  || ||  |  | || ||| ||  |||| | |||
Db    922 CGCTTCGAAATCAAAGCAGACGTGTTCGTTCTTACAGCCGGGGCGGTCCACAACGCGCAG 981

Qy   1040 attctctataacccgggctt------ctctgggctacaggtcacgccacgcaatgactcg 1093
            |||||   |||| |||||          || |  | || | |  |   |       |
Db    982 CTTCTCGTGAACTCTGGCTTTGGACAGCTGGGCCGGCCGGACCCCGCGAACCCGCCGCAG 1041

Qy   1094 ttgatccccaacctggggaggtacatcacggagcagccgatggcattttgccagatagtc 1153
          ||| | ||  |||||| || |||||||| |||||| || | |  || |||||||  ||
Db   1042 TTGCTGCCGTCCCTGGGAAGCTACATCACCGAGCAGTCGCTCGTCTTCTGCCAGACCGTG 1101

Qy   1154 ttgaggcaggaattcgtcgacagcgtg-----cgcgacgatccttatggactgcc----- 1203
            ||||    ||  || ||||||||||      ||  | |||| | | || |  ||
Db   1102 ATGAGCACCGAGCTCATCGACAGCGTCAAGTCCGACATGATCATCAGGGGCAACCCTGGC 1161

Qy   1204 ----------------------------------------------------------atgg 1207
                                                                     |||
Db   1162 GATCTGGGGTACAGCGTCACGTACACGCCCGGCGCGGAGACCAACAAGCACCCGGACTGG 1221

Qy   1208 tggaaagaagccgttgctcaacatattgccaagaacccgacagatgcactgcccattccg 1267
          |||||  |||    ||      | ||  ||      || |||  |    ||  | || || ||| |||
Db   1222 TGGAACGAAAAGGTGAAGAACCACATGATGCAGCACCAGGAGGACCCGCTTCCAATCCCG 1281

Qy   1268 ttccgcgatccggaaccccaggtaacaaccccatttacagaagaacacccctggcacacg 1327
          |||   || || || || ||  |||||  || |||   ||       |   |||||  |||||||||
Db   1282 TTCGAGGACCCCGAGCCGCAGGTCACCACCTTGTTCCAGCCATCGCACCCGTGGCACACT 1341

Qy   1328 cagattcaccgcgatgctttttcgtacggtgccgtcggtcctgaggtggactctcgtgtc 1387
          |||||||||||||||||  ||     |||||  || ||      |       | |||||  ||| ||
Db   1342 CAGATTCACCGCGATGCGTTCAGTTACGGCGCCGTGCAGCAAAGCATCGACTCACGTCTC 1401

Qy   1388 atcgtcgacctgcgctggtttggcgcaaccgaccctgaagcaaacaacctttttggttttc 1447
          ||||||||  |||||  || |||   ||||| ||  | |   | |||    |    |||
Db   1402 ATCGTCGACTGGCGCTTCTTCGGCCGGACGGAGCCAAAGGAGGAGAACAAGCTCTGGTTC 1461

Qy   1448 cagaacgatgttcaagacgggtacagtatgccgcagccgacgttcagatatcgacccagc 1507
            | || |  ||   |||  |||||  ||||||||||||||||||    |  ||   |
Db   1462 TCGGACAAAATTACGGACACGTACAACATGCCGCAGCCGACGTTCGACTTCCGCTTCCCG 1521

Qy   1508 actg---cgtcaaacgtgagagcaaggaaaatgatggccgatatgtgcgaagtggcgagc 1564
            | |      | | |  |  ||   | | |||||| ||||||||||||    || ||
Db   1522 GCGGGCCGCACGAGCAAGGAGGCGGAGGACATGATGACCGATATGTGCGTTATGTCGGCG 1581

Qy   1565 aacttgggaggttatttgcccacgtccccccccgcagtttatggatccaggccttgcactt 1624
          ||  | || || |  |||||   |||| |||||| || ||||| || || ||||  |||
Db   1582 AAGATTGGTGGCTTCCTGCCCCGGCTCCCTCCCGCAATTCATGGAGCCCGGTCTTGTCCTT 1641

Qy   1625 catcttgcgggggactactcgcattggcttcgac------aaggcaactacagtggctgat 1678
          || || |  || ||    ||||| |||||||||       |||  |         |   |
Db   1642 CACCTCGGTGGTACGCACCGCATGGGCTTCGACGAGCAGGAGGACAAGTGCTGCGTCAAC 1701

Qy   1679 aacaactcggtggtctgggactttgccaatctttatgttgcaggcaatggcaccatcagg 1738
          |   ||||||  || |  | |||    || || |   | |  |||   || | |||
Db   1702 ACGGACTCGCGCGTGTTTGGCTTCAAGAACCTGTTCCTCGGTGGCTGCGGAAACATTCCC 1761

Qy   1739 acgggcttcggcgagaacccgacacttacgtcgatgtgccacgctatcaagagcgcgagg 1798
          || |  | ||||| |||||||||| || ||  | ||||  | ||| ||||||||      |
Db   1762 ACCGCGTACGGCGCGAACCCGACGCTCACCGCAATGTCGCTCGCGATCAAGAGTTGCGAG 1821

Qy   1799 agcatcatcaatacactca 1817
            |||||  || |   |||
Db   1822 TACATCAAGAACAACTTCA 1840


RESULT   3
US-09-023-731-2
; Sequence 2, Application US/09023731
; Patent No. 6291648
;  GENERAL INFORMATION:
;    APPLICANT:  Kawamura, Yukio; Morita,
;    APPLICANT:  Akihiro; Izumo, Koji.; Saka, Tomohide.
;    TITLE OF INVENTION:  ANTITUMOR PROTEIN AND
;    TITLE OF INVENTION:  GENE ENCODING SAME
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  MICROSOFT WORD 97
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/023,731
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;       FILING DATE:  13-FEB-1998
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  JP 29275/1997
;       FILING DATE:  13-FEB-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  KENNETH H. SONNENFELD
;       REGISTRATION NUMBER:  33,285
;       REFERENCE/DOCKET NUMBER:  3479-4000
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 758-4800
;       TELEFAX:  (212) 751-6849
;       TELEX:  421792
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1701
;       TYPE:  nucleic acid
;       TOPOLOGY:  linear
;       STRANDEDNESS:  Single
;     MOLECULE TYPE:  cDNA to RNA
US-09-023-731-2


  Query Match             7.2%;  Score 152.6;  DB 4;  Length 1701;
  Best Local Similarity   53.5%;  Pred. No. 7.1e-27;
  Matches  394;  Conservative    0;  Mismatches  304;  Indels   39;  Gaps    2;

Qy   1106 ctggggaggtacatcacggagcagccgatggcattttgccagatagtcttgaggcaggaa 1165
Db    964 CTTGGTCGCTACCTCAGCGAACAGTCCATGACTTTTTGTCAGATCGTTCTCAAGAGGGGC 1023

Qy   1166 ttcgtcgacagcgtgcgcgacgatccttatggactgccatggtggaaagaagccgttgct 1225
Db   1024 ATAGTCGATGCCATCGCTACTGACCCT-----------CGCTTCGCTGCGAAGGTTGAG 1071

Qy   1226 caacatattgccaagaacccgacagatgcactgcccattccgttccgcgatccggaaccc 1285
Db   1072 GCGCACAAGAAGAAGCACCCCGATGACGTGCTGCCCATTCCATTCCACGAGCCTGAACCT 1131

Qy   1286 caggtaacaaccccatttacagaagaacacccctggcacacgcagattcaccgcgatgct 1345
Db   1132 CAAGTGATGATTCCGTACACGTCGGACTTCCCTTGGCATGTTCAGGTGCATCGCGATGCA 1191

Qy   1346 ttttcgtacggtgccgtcggtcctgaggtggactctcgtgtcatcgtcgacctgcgctgg 1405
Db   1192 TTCTCATATGGTGATGTTGGACCCAAGGCCGACCCGCGTGTTGTCGTCGATCTGAGGTTT 1251

Qy   1406 tttggcgcaaccgaccctgaagcaaacaacctttggttttc---------- 1447
Db   1252 TTCGGCAAATCAGATATTGTCGAAGAAAATCGAGTGACTTTCGGTCCGAACCCTAAGCTA 1311

Qy   1448 ---------cagaacgatgttcaagacgggtacagtatgccgcagccgacgttcagatat 1498
Db   1312 CGCGAGTGGGAAGCGGGTGTTACAGACACTTATGGAATGCCACAGCCGACATTCCATGTC 1371

Qy   1499 cgacccagcactgcgtcaaacgtgagagcaaggaaaatgatggccgatatgtgcgaagtg 1558
Db   1372 AAGCGGACCAACGCCGATGGAGACCGTGACCAGAGGATGATGAATGATATGACCAACGTC 1431

Qy   1559 gcgagcaacttgggaggttatttgcccacgtccccccgcagtttatggatccaggcctt 1618
Db   1432 GCGAACATGCTGGGTGGGTACCTTCCTGGCTCCTACCCTCAATTTATGGCACCTGGTCTC 1491

Qy   1619 gcacttcatcttgcggggactactcgcattggcttcgacaaggcaactacagtggctgat 1678
Db   1492 GTACTGCACATCACGGGAACTACTCGGATCGGGACAGATGATCAAACTTCTGTTGCTGAT 1551

Qy   1679 aacaactcgctggtctgggactttgccaatctttatgttgcaggcaatggcaccatcagg 1738
Db   1552 CCGACATCAAAGGTTCATAACTTCAACAATCTGTGGGTCGGCGGGAATGGGTGCATTCCA 1611

Qy   1739 acgggcttcggcgagaacccgacacttacgtcgatgtgccacgctatcaagagcgcgagg 1798
Db   1612 GATGCGACTGCCTGCAACCCGACTCGTACGAGCGTCGCGTATGCGCTCAAGGGTGCTGAG 1671

  Qy   1799 agcatcatcaatacact 1815
            |  |||||   ||
  Db   1672 GCTGTAGTCAATTACCT 1688


  RESULT   4
  US-09-073-569-1
  ; Sequence 1, Application US/09073569
  ; Patent No. 6084088
  ;  GENERAL INFORMATION:
  ;    APPLICANT:  Sheppard, Paul O.
  ;    APPLICANT:  Grossmann, Angelika
  ;    TITLE OF INVENTION:  NOVEL TUMOR ANTIGENS
  ;    NUMBER OF SEQUENCES:  15
  ;    CORRESPONDENCE ADDRESS:
  ;      ADDRESSEE:  ZymoGenetics, Inc.
  ;      STREET:  1201 Eastlake Avenue East
  ;      CITY:  Seattle
  ;      STATE:  WA
  ;      COUNTRY:  USA
  ;      ZIP:  98102
  ;    COMPUTER READABLE FORM:
  ;      MEDIUM TYPE:  Diskette
  ;      COMPUTER:  IBM Compatible
  ;      OPERATING SYSTEM:  DOS
  ;      SOFTWARE:  FastSEQ for Windows Version 2.0
  ;    CURRENT APPLICATION DATA:
  ;      APPLICATION NUMBER:  US/09/073,569
  ;      FILING DATE:
  ;      CLASSIFICATION:
  ;    PRIOR APPLICATION DATA:
  ;      APPLICATION NUMBER:
  ;      FILING DATE:
  ;    ATTORNEY/AGENT INFORMATION:
  ;      NAME:  Sawislak, Deborah A
  ;      REGISTRATION NUMBER:  37,438
  ;      REFERENCE/DOCKET NUMBER:  97-14
  ;    TELECOMMUNICATION INFORMATION:
  ;      TELEPHONE:  206-442-6672
  ;      TELEFAX:  206-442-6678
  ;      TELEX:
  ;  INFORMATION FOR SEQ ID NO:  1:
  ;    SEQUENCE CHARACTERISTICS:
  ;      LENGTH:  1733 base pairs
  ;      TYPE:  nucleic acid
  ;      STRANDEDNESS:  single
  ;      TOPOLOGY:  linear
  ;    FEATURE:
  ;      NAME/KEY:  Coding Sequence
  ;      LOCATION:  34...1344
  ;      OTHER INFORMATION:
  US-09-073-569-1


    Query Match             4.2%;  Score 88.8;  DB 3;  Length 1733;
    Best Local Similarity   79.5%;  Pred. No. 7.1e-12;
    Matches  105;  Conservative    0;  Mismatches   27;  Indels    0;  Gaps    0;

  Qy   1975 tattactgaacctgtactttgtctgaatagttatggcactatgattcatgtttaaaaaaa 2034
  Db   1583 TAATACAGACCCTGTCCTTTCTCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1642

  Qy   2035 aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa 2094
  Db   1643 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1702

  Qy   2095 aaaaaaaaaaaa 2106
  Db   1703 AAAAAAAAAAAA 1714


  RESULT   5
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